

1 **In the Claims**

2 Claims 1, 8, 11, 18, 19, 25, 27, 28, 30 and 32 are currently amended.

3 Claims 1-33 are pending and are listed below.

4
5 1. (Currently Amended) A processor-readable medium having
6 a tangible component and comprising processor-executable instructions
7 configured for:

8 receiving a binary signature;

9 receiving a security patch;

10 identifying a vulnerable binary file on a computer based on the
11 binary signature; and

12 updating the vulnerable binary file on the computer with the
13 security patch.

14
15 2. (Original) A processor-readable medium as recited in claim
16 1, wherein the identifying a vulnerable binary file on a computer includes
17 comparing a bit pattern of the binary signature against binary files located
18 on the computer, the bit pattern associated with a security vulnerability.

19
20 3. (Original) A processor-readable medium as recited in claim
21 1, wherein the updating the vulnerable binary file on the computer includes
22 installing the security patch on the computer.

1 4. (Original) A processor-readable medium as recited in claim
2 1, wherein the identifying a vulnerable binary file on a computer includes
3 sending the binary signature to the computer.

4
5 5. (Original) A processor-readable medium as recited in claim
6 4, wherein the updating the vulnerable binary file on the computer
7 includes:

8 receiving a request from the computer to send the security patch;
9 and

10 sending the security patch to the computer.

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12 6. (Original) A processor-readable medium as recited in claim
13 1, wherein the computer is a client computer and the receiving includes
14 receiving the binary signature and the security patch from a distribution
15 server configured to distribute to the client computer, binary signatures
16 that identify vulnerable files and security patches configured to fix the
17 vulnerable files.

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19 7. (Original) A server comprising the processor-readable
20 medium as recited in claim 1.

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22 8. (Currently Amended) A processor-readable medium having
23 a tangible component and comprising processor-executable instructions
24 configured for:

1 receiving a binary signature that identifies a security vulnerability
2 in a binary file;

3 receiving a security patch configured to fix the security
4 vulnerability in the binary file; and

5 distributing the binary signature and the security patch to a plurality
6 of servers.

7
8 9. (Original) A processor-readable medium as recited in claim
9 8, wherein the distributing includes:

10 sending a notice to each of the plurality of servers regarding the
11 security vulnerability and the available patch;

12 receiving a request to send the binary signature and the security
13 patch; and

14 sending the binary signature and the security patch in response to
15 the request.

16
17 10. (Original) A distribution server comprising the processor-
18 readable medium as recited in claim 8.

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20 11. (Currently Amended) A processor-readable medium having
21 a tangible component and comprising processor-executable instructions
22 configured for:

23 receiving a binary signature from a server;

24 searching for the binary signature in binary files located on a client
25 computer;

1 sending a request from the client computer to the server for a
2 security patch if a binary file is found that includes the binary signature;
3 receiving the security patch from the server; and
4 updating on the client computer the binary file with the security
5 patch.

6
7 12. (Original) A client computer comprising the processor-
8 readable medium as recited in claim 11.

9
10 13. (Original) A method comprising:
11 receiving a binary signature;
12 searching for a vulnerable file based on the binary signature;
13 if a vulnerable file is found, requesting a security patch; and
14 fixing the vulnerable file with the security patch.

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16 14. (Original) A method as recited in claim 13, wherein the
17 requesting includes sending a request to a server for the security patch, the
18 method further comprising receiving the security patch from the server in
19 response to the request.

20
21 15. (Original) A method as recited in claim 14, wherein the
22 receiving includes receiving the binary signature from the server.

23
24 16. (Original) A method as recited in claim 13, wherein the
25 fixing includes installing the security patch on a computer.

1 17. (Original) A method as recited in claim 13, wherein the
2 searching includes comparing the binary signature to binary information
3 on a storage medium of a computer.
4

5 18. (Currently Amended) A method as recited in claim 17,
6 wherein the binary information is selected from ~~the group~~ a group
7 comprising:

- 8 an operating system;
- 9 an application program file; and
- 10 a data file.

11
12 19. (Currently Amended) A method as recited in claim 17,
13 wherein the storage medium is selected from ~~the group~~ a group
14 comprising:

- 15 a hard disk;
- 16 a magnetic floppy disk;
- 17 an optical disk;
- 18 a flash memory card;
- 19 an electrically erasable programmable read-only memory; and
- 20 network-attached storage.

1 **20.** (Original) A method comprising:

2 receiving a binary signature and a security patch from a distribution
3 server;

4 searching on a client computer for a vulnerable file associated with
5 the binary signature; and

6 if a vulnerable file is found, fixing the vulnerable file with the
7 security patch.

8
9 **21.** (Original) A method as recited in claim 20, wherein the
10 searching includes transferring the binary signature to the client computer,
11 the client computer configured to search for a vulnerable file associated
12 with the binary signature.

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14 **22.** (Original) A method as recited in claim 21, wherein the
15 fixing includes:

16 receiving a request from the client computer to transfer the security
17 patch, the client computer having located a vulnerable file; and

18 transferring the security patch to the client computer in response to
19 the request.

20
21 **23.** (Original) A computer comprising:

22 means for receiving a binary signature;

23 means for searching for a vulnerable file based on the binary
24 signature;

1 means for requesting a security patch if a vulnerable file is found;
2 and
3 means for fixing the vulnerable file with the security patch.
4

5 **24. (Original) A server comprising:**

6 means for receiving a binary signature and a security patch from a
7 distribution server;

8 means for scanning a client computer for a vulnerable file
9 associated with the binary signature; and

10 means for fixing the vulnerable file with the security patch if a
11 vulnerable file is found.
12

13 **25. (Currently Amended) A computer having a tangible**
14 **component and comprising:**

15 binary information;

16 a scan module configured to receive a binary signature and scan the
17 binary information for the binary signature; and

18 a patch module configured to request a security patch and install the
19 security patch if the binary signature is found in the binary information.
20

21 **26. (Original) A computer as recited in claim 25, further**
22 **comprising a storage medium configured to retain the binary information.**
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1 27. (Currently Amended) A computer as recited in claim 25,
2 wherein the binary information is selected from ~~the group~~ a group
3 comprising:

- 4 an operating system;
- 5 an application program file; and
- 6 a data file.

7
8 28. (Currently Amended) A computer having a tangible
9 component and comprising:

- 10 binary files;
- 11 a binary signature; and
- 12 a security patch module configured to receive the binary signature
- 13 from a server and to scan the binary files in search of the binary signature.

14
15 29. (Original) A computer as recited in claim 28, further
16 comprising:

- 17 a binary file that includes the binary signature; and
- 18 a security patch;
- 19 wherein the security patch module is further configured to request
- 20 the security patch from the server upon locating the binary signature
- 21 within the binary file, and to apply the security patch to the binary file.

1 30. (Currently Amended) A distribution server having a tangible
2 component and comprising:

3 a database; and

4 a distribution module configured to receive a binary signature and a
5 security patch, store the binary signature and the security patch in the
6 database, and distribute the binary signature and the security patch to a
7 plurality of servers.

8
9 31. (Original) A distribution server as recited in claim 30,
10 wherein the distribution module is further configured to receive a request
11 from a server for the binary signature and the security patch and to
12 distribute the binary signature and the security patch to the server in
13 response to the request.

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15 32. (Currently Amended) A server having a tangible component
16 and comprising:

17 a binary signature associated with a security vulnerability in a
18 binary file;

19 a security patch configured to fix the security vulnerability in the
20 binary file; and

21 a scan module configured to scan binary files on a client computer
22 for the binary signature and to update the binary file with the security
23 patch if the binary signature is found.

1 33. (Original) A server as recited in claim 32, further
2 comprising:
3 a database;
4 the scan module further configured to receive the binary signature and the
5 security patch from a distribution server and to store the binary signature and the
6 security patch in the database.
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